

AFCONA-3585



Chemical Composition

Short chain organically modified polysiloxane.

Product general description

Leveling and anti-crater agent for water-based coatings and inks.

Product Properties

AFCONA-3585 is an organically modified polysiloxane with very short chain repeating units of siloxane. Due to its small molecule size, it migrates rapidly to surface defects. This gives excellent anti-crater properties without any intercoat adhesion problems.

AFCONA-3585 significantly reduces surface tension and offers good compatibility. Hence, it is highly effective in providing the following benefits for any water-based systems:

- 1) Excellent anti-crater behavior.
- 2) Better substrate wetting.
- 3) Improved leveling.
- 4) No inter-coat adhesion problems. No re-coating problems.
- 5) Little or no foam stabilization.
- 6) Good compatibility.

AFCONA-3585 is recommended for use in all kinds of water-based coatings with a pH range of 4-10.

Note: Due to the small molecule size of AFCONA-3585, the slip effect is reduced.

Product Specification

Non-volatile matter	≥95% (120°C, 0.5h)
Density	1.04 - 1.07 g/cm ³ (20°C)
Refractive index	1.450 - 1.460 (25°C)
Gardner color	Max.3
Flash point	>100°C
Appearance	Colorless to pale yellow (with a slightly grayish tint) clear liquid (25°C)

Addition and dosage

0.1-1.0% on total formulation. Under normal conditions, the dosage is 0.1-0.3% based on total formulation.

Incorporation

AFCONA-3585 can be incorporated at any stage of production.

Storage

AFCONA-3585 shall be stored in cool and dry place away from direct sunlight. Shelf-life is 3 years from the date of manufacturer, if kept in original and unopened container. The expiring date is indicated on the package.

Packaging

30kg and 200 kg non-returnable containers

For product safety information: please refer to the product SDS.

AFCONA ADDITIVES

Web Site : www.afcona.com

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This version replaces all previous ones.